

1. Simplify: $\frac{11}{12} + \frac{5}{12}$

- a)
- $\frac{7}{6}$
- b)
- $\frac{14}{12}$
- c)
- $\frac{4}{3}$
- d)
- $1\frac{16}{3}$
- e)
- $1\frac{5}{12}$

2. $\frac{3}{20} + \frac{5}{20} + \frac{2}{20} = \underline{\hspace{2cm}}$

- a)
- $\frac{1}{6}$
- b)
- $\frac{1}{2}$
- c)
- $\frac{11}{20}$
- d)
- $\frac{3}{4}$
- e)
- $\frac{7}{10}$

3. What is $9\frac{2}{7} + 3\frac{4}{7}$?

- a)
- $12\frac{5}{14}$
- b)
- $12\frac{3}{7}$
- c)
- $12\frac{1}{2}$
-
- d)
- $12\frac{6}{7}$
- e)
- $12\frac{13}{14}$

4. What is $7\frac{4}{9} + 6\frac{8}{9}$?

- a)
- $13\frac{1}{3}$
- b)
- $13\frac{2}{3}$
- c)
- $14\frac{1}{3}$
- d)
- $14\frac{2}{3}$
- e)
- $14\frac{3}{4}$

5. $\frac{3}{8} + \frac{1}{2} = \underline{\hspace{2cm}}$

- a)
- $\frac{7}{16}$
- b)
- $\frac{5}{8}$
- c)
- $\frac{7}{8}$
- d)
- $\frac{19}{32}$
- e)
- $\frac{15}{16}$

6. Simplify: $\frac{3}{4} + \frac{2}{7}$

- a)
- $\frac{5}{11}$
- b)
- $1\frac{1}{28}$
- c)
- $1\frac{1}{14}$
- d)
- $1\frac{3}{28}$
- e)
- $1\frac{5}{11}$

7. What is $\frac{7}{12} + \frac{4}{15}$?

- a)
- $\frac{11}{15}$
- b)
- $\frac{11}{20}$
- c)
- $\frac{17}{20}$
- d)
- $\frac{7}{15}$
- e)
- $\frac{11}{27}$

8. Find the sum $\frac{7}{8} + \frac{1}{6}$.

- a)
- $\frac{4}{7}$
- b)
- $\frac{9}{8}$
- c)
- $\frac{13}{12}$
- d)
- $\frac{25}{24}$
- e)
- $1\frac{1}{12}$

9. Simplify: $\frac{7}{12} + \frac{2}{3}$

- a)
- $\frac{1}{3}$
- b)
- $\frac{7}{6}$
- c)
- $\frac{5}{4}$
- d)
- $1\frac{1}{12}$
- e)
- $1\frac{1}{3}$

10. $\frac{3}{8} + \frac{5}{6} + \frac{2}{3} = \underline{\hspace{2cm}}$

- a)
- $\frac{1}{2}$
- b)
- $\frac{3}{4}$
- c)
- $1\frac{1}{3}$
- d)
- $1\frac{5}{6}$
- e)
- $1\frac{7}{8}$

11. What is $\frac{11}{15} - \frac{4}{15}$?

- a)
- $\frac{1}{10}$
- b)
- $\frac{3}{10}$
- c)
- $\frac{7}{15}$
- d)
- $\frac{8}{15}$
- e)
- $\frac{3}{5}$

12. $\frac{7}{8} - \frac{5}{8} = \underline{\hspace{2cm}}$

- a)
- $\frac{1}{8}$
- b)
- $\frac{1}{4}$
- c)
- $\frac{3}{8}$
- d)
- $\frac{5}{8}$
- e)
- $\frac{3}{4}$

13. Simplify: $6\frac{9}{16} - 4\frac{3}{16}$

- a)
- $1\frac{5}{8}$
- b)
- $1\frac{11}{16}$
- c)
- $2\frac{3}{8}$
- d)
- $2\frac{1}{2}$
- e)
- $2\frac{5}{8}$

14. Simplify: $\frac{3}{5} - \frac{2}{11}$

- a)
- $\frac{1}{6}$
- b)
- $\frac{4}{11}$
- c)
- $\frac{2}{5}$
- d)
- $\frac{23}{55}$
- e)
- $\frac{26}{55}$

15. Find the difference $\frac{13}{18} - \frac{5}{12}$.

- a) $\frac{5}{18}$ b) $\frac{5}{12}$ c) $\frac{11}{36}$ d) $1\frac{1}{3}$ e) $1\frac{5}{36}$

16. Simplify: $\frac{8}{3} - \frac{1}{6}$

- a) $\frac{5}{6}$ b) $\frac{3}{2}$ c) $\frac{5}{2}$ d) $1\frac{2}{3}$ e) $2\frac{1}{3}$

17. Find the difference $\frac{13}{18} - \frac{5}{12}$.

- a) $\frac{5}{18}$ b) $\frac{5}{12}$ c) $\frac{11}{36}$ d) $1\frac{1}{3}$ e) $1\frac{5}{36}$

18. What is $\frac{5}{8} - \frac{1}{2}$?

- a) $\frac{1}{8}$ b) $\frac{1}{4}$ c) $\frac{3}{8}$ d) $\frac{1}{2}$ e) $\frac{2}{3}$

19. What is $\frac{4}{15} \times \frac{10}{12}$?

- a) $\frac{1}{9}$ b) $\frac{2}{9}$ c) $\frac{2}{3}$ d) $\frac{3}{4}$ e) $\frac{7}{8}$

20. $4 \times \frac{2}{3} =$ _____

- a) $\frac{1}{6}$ b) $1\frac{1}{3}$ c) $1\frac{2}{3}$ d) $2\frac{1}{6}$ e) $2\frac{2}{3}$

21. Simplify: $4 \times \frac{3}{15}$

- a) $\frac{1}{20}$ b) $\frac{7}{15}$ c) $\frac{4}{5}$ d) $\frac{14}{15}$ e) $1\frac{1}{4}$

22. $2\frac{3}{8} \times \frac{2}{5} =$ _____

- a) $\frac{11}{20}$ b) $\frac{3}{4}$ c) $\frac{4}{5}$ d) $\frac{9}{10}$ e) $\frac{19}{20}$

23. What is $\frac{5}{6} \times \frac{4}{5} \times \frac{3}{7}$?

- a) $\frac{1}{7}$ b) $\frac{3}{14}$ c) $\frac{2}{7}$ d) $\frac{5}{14}$ e) $\frac{3}{7}$

24. What is $\frac{1}{6} \cdot \frac{2}{5} \cdot \frac{5}{8} \cdot 3$?

- a) $\frac{1}{8}$ b) $\frac{1}{4}$ c) $\frac{3}{8}$ d) $\frac{1}{2}$ e) $1\frac{1}{2}$

25. Simplify: $\frac{1}{4} \div \frac{1}{2}$

- a) $\frac{1}{16}$ b) $\frac{1}{8}$ c) $\frac{1}{4}$ d) $\frac{1}{2}$ e) 1

26. $\frac{5}{6} \div \frac{7}{9} =$ _____

- a) $\frac{1}{14}$ b) $\frac{2}{7}$ c) $1\frac{1}{14}$ d) $2\frac{3}{14}$ e) 5

27. What is $6 \div \frac{2}{3}$?

- a) $2\frac{2}{3}$ b) 4 c) 6 d) 9 e) $9\frac{1}{3}$

28. Simplify: $\frac{3}{4} \div 3$

- a) $\frac{1}{4}$ b) $\frac{3}{4}$ c) 1 d) $2\frac{1}{3}$ e) 3

29. $\frac{6}{11} \div 9 =$ _____

- a) $\frac{2}{33}$ b) $\frac{2}{11}$ c) $\frac{29}{33}$ d) $2\frac{9}{33}$ e) $4\frac{10}{11}$

30. Simplify: $3\frac{1}{2} \div 14$

- a) $\frac{1}{14}$ b) $\frac{1}{8}$ c) $\frac{1}{7}$ d) $\frac{1}{4}$ e) $\frac{3}{4}$

31. Simplify: $\frac{\frac{4}{15}}{\frac{3}{5}}$

- a) $\frac{1}{6}$ b) $\frac{1}{3}$ c) $\frac{4}{9}$ d) $1\frac{1}{3}$ e) $2\frac{1}{9}$

32. Simplify: $\frac{\frac{8}{9}}{\frac{16}{15}}$

- a) $\frac{3}{4}$ b) $\frac{5}{6}$ c) $1\frac{1}{6}$ d) $1\frac{3}{8}$ e) $1\frac{7}{8}$

33. Simplify: $\frac{\frac{3}{8}}{\frac{1}{4}}$

- a) $\frac{1}{12}$ b) $\frac{3}{32}$ c) $\frac{1}{4}$ d) $\frac{1}{2}$ e) $\frac{3}{2}$

34. Simplify: $\frac{\frac{15}{16}}{\frac{3}{8}}$

- a) $\frac{5}{8}$ b) $\frac{3}{4}$ c) $\frac{3}{2}$ d) $\frac{13}{7}$ e) $\frac{5}{2}$

35. Simplify: $\frac{1}{1 + \frac{1}{2}}$

36. Simplify: $\frac{1}{1 + \frac{1}{1 + \frac{1}{2}}}$

37. Find the reciprocal of $\frac{5 + \frac{1}{5}}{5 - \frac{1}{5}}$ and express your answer as a common fraction.

38. Express the quotient as a common fraction:

$$1\frac{1}{2} \div 3\frac{3}{5}$$

39. Express as a mixed number: $8\frac{1}{5} - \frac{3}{10}$

40. Express as a common fraction: $\frac{1}{1 + \frac{1}{5}}$

41. Express as a common fraction:

$$2\frac{7}{10} \div 10\frac{4}{5}$$

42. Express as a common fraction:

$$\frac{1}{3 + \frac{2}{3}}$$

43. Simplify: $\frac{1}{8 + \frac{1}{8 + \frac{1}{8}}}$

44. Express as a common fraction: $\frac{1}{1 + \frac{2}{5}}$

45. Simplify: $\frac{\frac{2}{1} - 1}{\frac{3}{1} - \frac{1}{2}}$

46. Express as a common fraction: $\frac{2}{\frac{3}{4} + \frac{1}{3}}$

47. Simplify: $\frac{1}{8 + \frac{1}{8 + \frac{1}{8}}} - 1$

48. Simplify: $1 + \frac{1}{1 + \frac{1}{1 + 1}}$

Express your answer as a common fraction.

49. Choose the letter which corresponds to the largest number.

a) $\frac{1}{1 + \frac{2}{1 + \frac{1}{2}}}$ b) $\frac{1}{3 + \frac{1}{1 + 2}}$ c) $\frac{1}{5 + \frac{1}{1 + \frac{1}{2}}}$

50. Simplify: $\frac{1}{2 + \frac{3}{4 + \frac{5}{6}}}$

51. Find: $12 + (-9)$

a) -3 b) 2 c) 3 d) 4 e) 5

52. Simplify: $-28 + 15$

a) -43 b) -23 c) -13 d) 8 e) 13

53. Find: $(-47) + (-21)$

a) -116 b) -105 c) -77
d) -68 e) -37

54. Find: $(-36) + (-28)$

a) -64 b) -52 c) -36 d) -28 e) -8

55. Simplify: $(-82) + 76 + (-87)$

a) -93 b) -45 c) -23 d) 27 e) 65

56. Simplify: $7 + (-19) + (-12)$

a) -38 b) -24 c) -14 d) -7 e) 0

57. Find: $-16 + (-14) + (-24) + (-32)$

a) -124 b) -106 c) -93
d) -86 e) -74

58. Find: $0.025 + (-0.25)$

a) -5.5 b) -0.225 c) 3.25
d) 4.115 e) 5.215

59. Find: $-145 - 132$

a) -457 b) -377 c) -357
d) -277 e) -127

60. Simplify: $118 - (-142)$

- a) -96 b) 260 c) 366 d) 378 e) 421

61. Find: $(-74) - (-57)$

- a) -31 b) -17 c) -9 d) 13 e) 27

62. Simplify: $15 - (-6) - 41$

- a) -20 b) -12 c) 8 d) 32 e) 62

63. Find: $-12 - 32 - (-19)$

- a) -70 b) -39 c) -25 d) -18 e) -1

1.
Answer: c
CodePath: EAS.MMA.B.J.9

2.
Answer: b
CodePath: EAS.MMA.B.J.13

3.
Answer: d
CodePath: EAS.MMA.B.J.15

4.
Answer: c
CodePath: EAS.MMA.B.J.17

5.
Answer: c
CodePath: EAS.MMA.B.J.21

6.
Answer: b
CodePath: EAS.MMA.B.J.24

7.
Answer: c
CodePath: EAS.MMA.B.J.27

8.
Answer: d
CodePath: EAS.MMA.B.J.30

9.
Answer: c
CodePath: EAS.MMA.B.J.32

10.
Answer: e
CodePath: EAS.MMA.B.J.36

11.
Answer: c
CodePath: EAS.MMA.B.J.41

12.
Answer: b
CodePath: EAS.MMA.B.J.44

13.
Answer: c
CodePath: EAS.MMA.B.J.51

14.
Answer: d
CodePath: EAS.MMA.B.J.61

15.
Answer: c
CodePath: EAS.MMA.B.J.63

16.
Answer: c
CodePath: EAS.MMA.B.J.65

17.
Answer: c
CodePath: EAS.MMA.B.J.63

18.
Answer: a
CodePath: EAS.MMA.B.J.59

19.
Answer: b
CodePath: EAS.MMA.B.I.3

20.
Answer: e
CodePath: EAS.MMA.B.I.6

21.
Answer: c
CodePath: EAS.MMA.B.I.8

22.
Answer: e
CodePath: EAS.MMA.B.I.11

23.
Answer: c
CodePath: EAS.MMA.B.I.15

24.
Answer: a
CodePath: EAS.MMA.B.I.18

25.
Answer: d
CodePath: EAS.MMA.B.I.19

26.
Answer: c
CodePath: EAS.MMA.B.I.23

27.
Answer: d
CodePath: EAS.MMA.B.I.25

28.
Answer: a
CodePath: EAS.MMA.B.I.28
29.
Answer: a
CodePath: EAS.MMA.B.I.29
30.
Answer: d
CodePath: EAS.MMA.B.I.33
31.
Answer: c
CodePath: EAS.MMA.B.I.39
32.
Answer: b
CodePath: EAS.MMA.B.I.40
33.
Answer: e
CodePath: EAS.MMA.B.I.41
34.
Answer: e
CodePath: EAS.MMA.B.I.42
35.
Answer: $\frac{2}{3}$
CodePath: EAS.MCH.A.A.5
36.
Answer: $\frac{3}{5}$
CodePath: EAS.MCH.A.A.8
37.
Answer: $\frac{12}{13}$
CodePath: EAS.MCH.A.A.33
38.
Answer: $\frac{5}{12}$
CodePath: EAS.MCH.A.A.37
39.
Answer: $7\frac{9}{10}$
CodePath: EAS.MCH.A.A.39
40.
Answer: $\frac{5}{6}$
CodePath: EAS.MCH.A.A.41
41.
Answer: $\frac{1}{4}$
CodePath: EAS.MCH.A.A.49
42.
Answer: $\frac{2}{9}$
CodePath: EAS.MCH.A.A.56

43.
Answer: $\frac{65}{528}$
CodePath: EAS.MCH.A.A.65
44.
Answer: $\frac{5}{7}$
CodePath: EAS.MCH.A.A.69
45.
Answer: 2
CodePath: EAS.MCH.A.A.73
46.
Answer: $\frac{24}{13}$
CodePath: EAS.MCH.A.A.75
47.
Answer: $-\frac{463}{528}$
CodePath: EAS.MCH.A.A.77
48.
Answer: $\frac{5}{3}$
CodePath: EAS.MCH.A.A.80
49.
Answer: a
CodePath: EAS.MCH.A.A.83
50.
Answer: $\frac{29}{76}$
CodePath: EAS.MCH.A.A.94
51.
Answer: c
CodePath: EAS.MMA.C.B.1
52.
Answer: c
CodePath: EAS.MMA.C.B.3
53.
Answer: d
CodePath: EAS.MMA.C.B.5
54.
Answer: a
CodePath: EAS.MMA.C.B.6
55.
Answer: a
CodePath: EAS.MMA.C.B.7
56.
Answer: b
CodePath: EAS.MMA.C.B.8
57.
Answer: d
CodePath: EAS.MMA.C.B.10
58.
Answer: b
CodePath: EAS.MMA.C.B.13

59.

Answer: d

CodePath: EAS.MMA.C.B.31

60.

Answer: b

CodePath: EAS.MMA.C.B.33

61.

Answer: b

CodePath: EAS.MMA.C.B.35

62.

Answer: a

CodePath: EAS.MMA.C.B.37

63.

Answer: c

CodePath: EAS.MMA.C.B.38